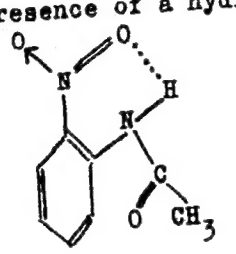
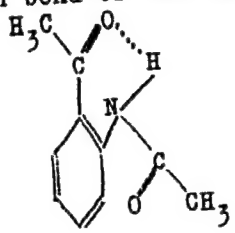
5 (3)
AUTHORS: Lutskiy, A. Ye., Kondratenko, B. P. SOV/79-29-6-64/72

TITLE: Intramolecular Hydrogen Bond and Dipole Moments of Organic Compounds (Vnutrimolekulyarnaya vodorodnaya svyaz'i dipol'nyye momenty organicheskikh soyedineniy). IV. Nitro- and Acetyl-acetanilides (IV. Nitro- i atsetilatsetanilidy)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 6, pp 2073 - 2076 (USSR)

ABSTRACT: On the basis of data obtained from absorption spectra in the near ultraviolet, from melting points, and from other properties of the nitro- and acyl- substituted acetanilide compounds (Refs 1,2), one assumes in their ortho-isomers in basic state the presence of a hydrogen bond of the type





Card 1/3

Intramolecular Hydrogen Bond and Dipole Moments of Organic Compounds. IV. Nitro- and Acetylacetanilides SOV/79-29-6-64/72

It was of interest to analyze closer the value of the dipole moments of the isomeric acyl- and nitroacetanilides, in order to determine the character of the bearing of the indicated bond upon the properties of the dipole moments. In connection with it, the dielectric constants $\varepsilon_{1,2}$ and the densities $d_{1,2}$ of the acetanilide, n-methylacetanilide, o-,m- and p-nitro- and acetylacetanilide in benzene and dioxane solution at 25°, were determined. The synthesis and purification of the analyzed acetanilides were carried out, according to publications (Refs 4,5) (Tables 1 and 2). Accordingly, the dipole moment values of acetanilide, n-methylacetanilide and o-,m- and p-nitro and acetylacetanilides were determined. Based on the reciprocal relationship of dipole moments of isomers, of bi- and monosubstituted compounds of benzene, which were observed and computed for various configurations and for free circulation of the functional groups, which do not interact, the presence of an intramolecular hydrogen bond in the o-nitro and o-acetylacetanilides has been confirmed. Table 1 shows densities and dielectric con-

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Intramolecular Hydrogen Bond and Dipole Moments of Organic Compounds. IV. Nitro- and Acetylacetanilides SOV/79-29-6-64/72

stants of acetanilide and table 2 its dipole moments. There are 2 tables and 12 references, 3 of which are Soviet.

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut (Khar'kov Polytechnic Institute)

SUBMITTED: March 20, 1958

Card 3/3

5 (3)

AUTHORS: Lutskiy, A. Ye., Kondratenko, B. P. SOV/79-29-6-65/72

TITLE: The Dipole Moments of the N-Nitroso-methyl Aniline and Its Nitro-substituted Compounds (Dipol'nyye momenty N-nitrozo-metilanilina i yego nitrozameshchennykh)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 6, pp 2077 - 2079 (USSR)

ABSTRACT: The methyl-amino group has nucleophilic properties in relation to the aromatic ring. The authors wanted to elucidate the characteristics of the conversion of the p-electrons of this group with the π-electrons of the ring when amino hydrogen is substituted by the nitroso group. For this purpose the values of the dipole moments of the N-nitroso-methyl aniline and its ortho-, metha- and para-nitroso substituted compounds in a benzene and dioxane solution have been determined. These compounds were obtained and purified according to data found in publications (Ref 1). This synthesis and purification of the product, as well as the method of the determination of the dielectric constant $\varepsilon_{1,2}$ and the density $d_{1,2}$ are precisely described (Ref 2). The determined dielectric constants and the densities of

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solutions at 25° are listed in table 1, and the computed values of the products $P_{2\sim}$, P_{E+A} to be analyzed, and of the dipole moments $-\mu$ (in D) are listed in table 2. The obtained value of the moment of N-nitroso-methyl aniline are almost in accordance with the values quoted in publications (3.62 D) (Ref 3). The values of the dipole moments of the nitro-N-nitroso-methyl anilines can be sufficiently well explained, assuming that at the substitution of nitro-hydrogen of the methyl amino group by the nitroso group the nucleophilic characteristic of the methyl amino group is preserved. The two tables give the results of the experiments. There are 2 tables and 4 references, 2 of which are Soviet.

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut (Khar'kov Polytechnic Institute)

SUBMITTED: March 20, 1958

SOV/76-33-9-21/37

5(4)

AUTHORS: Lutskiy, A. Ye., Kondratenko, B. P.

TITLE: Intramolecular Hydrogen Bond and Dipole Moments of Organic Compounds. V. Nitroanilines and Their N-Methyl- and N,N-Dimethyl Derivatives

PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 2017 - 2023 (USSR)

ABSTRACT: The presence of an intramolecular hydrogen bond and the participation of the hydrogen from the N-H group in the molecule of o-nitroaniline as well as in the 1,2- and 2,1-nitronaphthyl amines affect their macrophysical properties and the absorption spectrum. To explain the influence exerted by such bonds on the dipole moment of aniline derivatives, the authors measured the dielectric constant $\varepsilon_{1,2}$ and density $d_{1,2}$ of aniline (I), methyl aniline(II), and dimethyl aniline (III), as well as their o-, m- and p-nitro derivatives in benzene (IV) and dioxane (V) at 25° (Tables 1 and 2). Further, they calculated the dipole moments and compared them to data available in publications (Table 3). In addition, data are given on the influence exerted by the above hydrogen bond,

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by the position of the functional groups within the molecule, as well as by the exchange of (IV) for (V) as solvents on the dipole moments. The anomalous effect of (V) is ascribed to the formation of complexes through hydrogen bonds as well as to an induction of the dipoles as the dioxane molecules and the dissolved substance are oriented. This effect is determined by the possibility and the degree of conjunction of the groups as well as by their inductive interaction. There are 3 tables and 25 references, 6 of which are Soviet.

ASSOCIATION: Politekhnicheskiy institut im. V. I. Lenina, Khar'kov (Polytechnic Institute imeni V. I. Lenin, Khar'kov)

SUBMITTED: February 26, 1958

KONDRATENKO, B. P., Cand Chem Sci (diss) -- "The dipole moments of certain derivative and substituted anilins". Khar'kov, 1960. 16 pp (Min Higher and Inter Spec Educ Ukr SSR, Khar'kov Polytech Inst im V. I. Lenin), 120 copies (KL, No 14, 1960, 127)

LUTSKIY, A.Ye.; KONEL'SKAYA, V.N.; KONDRATENKO, B.P.

Intramolecular hydrogen bond and absorption spectra in the ultraviolet. Part 9: Nitroacetanilides and Nitro-N-acetyldiphenylamines. Zhur. ob. khim. 30 no.11:3782-3789 N'60. (MIRA 13:11)

1. Khar'kovskiy politekhnicheskiy institut.
(Hydrogen bonding) (Acetanilide) (Diphenylamine)

LUTSKIY, A.Ye.; ALEKSEYEVA, V.T.; KONDRATENKO, B.P.

Dipole moments of disubstituted benzenes having electron-acceptor functional groups. Zhur.fiz.khim. 35 no.8:1706-1709 Ag '61. (MIRA 14:8)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I. Lenina.

(Benzene—Dipole moments)

LUTSKIY, A.Ye.; DOROFEYEV, V.V.; KONDRATENKO, B.P.

Nature of the forces of binding components in molecular organic compounds. Part 1: Molecular compounds with meta-dinitrobenzene and picric acid. Zhur.ob.khim. 33 no.6:1969-1974 Je '63. (MIRA 16:7)

1. Khar'kovskiy politekhnicheskiy institut imeni V.I.Lenina.
(Nitrobenzene) (Picric acid) (Chemical affinity)

L 12701-63 EPF(c)/EWT(m)/BDS ESD-3 Pr-4 RM/WW/RH
ACCESSION NR: AP3002928 S/0076/63/037/006/1270/1274

AUTHOR: Lutskiy, A. Ye.; Obukhova, Ye. M.; Kondratenko, B. P. 65

TITLE: Molecular dipole moments and intramolecular interaction of functional groups. 2. Disubstituted benzenes with electron-donating functional groups.

SOURCE: Zhurnal fizicheskoy khimii, v. 37, no. 6, 1963, 1270-1274

TOPIC TAGS: molecular dipole moment, intramolecular interaction, disubstituted benzene, electron-donating functional group, monomethylether, dihydroxybenzene, acetoxybenzene, aminophenol

ABSTRACT: The results of dipole moment measurements of O-, m-, and p-diacetoxybenzenes, monomethylethers of dihydroxybenzenes, acetooxybenzenes, aminophenols, N-acetylaminophenols, N-acetylanisidines, etc. are presented, and the influence of various factors on the dipole moments has been discussed. Orig. art. has: 2 tables.

ASSOCIATION: Politekhnicheskiy institut (Polytechnic Institute)

SUBMITTED: 03May62 DATE ACQ: 16Jul63 ENCL: 00
SUB CODE: 00 NO REF SOV: 006 OTHER: 008

Card 1/1

KOTLYAREVSKAYA, K.B.; MAYYER, E.A.; KONDRATENKO, B.P.

Application of acoustic vibrations for the production of finely dispersed emulsions. Kozh.-obuv. prom. 6 no.7:27-30 Jl '64.
(MIRA 17:8)

SHCHERBACHEVICH, G.S.; KONDRATENKO, D.V., inzh., retsenzent; SIBAROV, Yu.G., inzh., retsenzent; KISELEVA, N.P., inzh., red.; VOROB'YEVA, L.V., tekhn.

[Safety measures in the maintenance and repair of diesel locomotives] Tekhnika bezopasnosti pri remonte teplovozov. Moskva, Izd-vo "Transport," 1964. 121 p. (MIRA 17:3)

KONDRATENKO, F. M., Cand Agric Sci (diss) -- "The effect of the frequency of feeding and milking on the digestion metabolism, and milk productivity of cows". Kiev, 1959. 21 pp (Min Agric Ukr SSR, Ukr Acad Agric Sci), 180 copies (KL, No 9, 1960, 127)

KONDRATENKO, F.T., kand. sel'skokhoz. nauk

Using controlled conditioning in winter rye breeding. Agrobiologiia no.5:675-679 S-O'63. (MIRA 17:5)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva tsentral'nykh rayonov nechernozemnoy zony.

KONDRATENKO, V.M.; KONDRATENKO, G.N.

Determining the altitude above the earth's surface of an artificial satellite from its entry into the earth's umbra. Biul.sta.opt.nabl.isk.sput.Zem. no.8:12-13 '59. (MIRA 13:6)

1. Nablyudatel'naya stantsiya pri Chernovitskom gosuniversitete.
(Artificial satellites—Tracking)

KOLOMOYTSEV, L.R.; KONDRATENKO, G.P.

Effect of phytoncides of onion and garlic upon toxins and toxic function of pathogenic staphylococci. Zhur.mikrobiol. epid.i immun. no.1:45 Ja '54. (MLRA 7:2)

1. Iz kafedry mikrobiologii Stalinskogo meditsinskogo instituta.
(Phytoncides) (Staphylococcus)

USSR/Microbiology - Microorganisms Pathogenic to Humans and Animals. F-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43344

Author : Druzhinin, I.D., Kondratenko, G.P., Kryukova, Z.V.
Inst : -
Title : Significance of Agglutination Reaction of Virus-Charged Bacteria (AVB) in Laboratory Diagnosis of Scarlet Fever.

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiologii, 1956 (1957), 23-24.

Abstract : The diagnostic significance of AVB reaction by the Weinberg and Tokar method in scarlet fever was studied. A stock culture of typhoid fever bacteria #4277, killed by heating for 1 hour at 56°, was charged with smears from pharynxes of scarlet fever patients. As antibodies a blood serum of scarlet fever convalescents was used, taken on the 20-40th day of sickness. A mixture of sera from 6-8 convalescents was first exhausted by a thick suspension

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USSR/Microbiology - Microorganisms Pathogenic to Humans and Animals. F-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43344

of typhoid fever bacteria in order to eliminate the activity of typhoid fever agglutinins which might be contained in the convalescent's blood. Smears from pharynxes of 332 patients were examined once, and 4-6 times in 18 patients for a period of 4-6 weeks. In 63.3% of patients the smears were taken on the 2-6th day of disease, in 36.4% at later periods. 36 smears were taken from patients with atypical forms and 314 from patients with typical forms of scarlet fever of different severity. Of the 319 reactions studied 240 positive results and 43 doubtful were obtained. The average limiting aglutination titer was 1:72. Thus, with a single test of smears from the pharynx a diagnosis of scarlet fever was confirmed with the aid of AVB in 240 patients, i.e. in 68%. Repeated examinations of 18 patients showed that the antigen disappears between the 18th and 39th day of disease.

Card 2/3

DRUZHININ, I.D.; KONDRATENKO, G.P.; LAZARENKO, N.F.

Bacterial contamination of mine water and viability of dysentery bacteria in such water. Gig. i san. 24 no.9:84-85 S '59.
(MIRA 13:1)

1. Iz kafedry mikrobiologii Stalinskogo meditsinskogo instituta i Stalinskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(MINE WATER--BACTERIOLOGY) (SHIGELLA)

KONDRATENKO, H.; TIKHOMIROV, Ya.

[Honor to labor; articles and sketches]Chest' trudu; stat'i i ocherki. Kiev, Gospolitizdat USSR, 1961. 297 p.
(MIRA 15:12)

(Labor and laboring classes)

KONDRATENKO, IAroslav, inzh.

Operational output of the insulating sections in refrigerators insulated with Iporka and foamy cement. Stroitelstvo 9 no.6:10-11 N-D '62.

KONDRATENKO, IAroslav, inzh.

Determining the circulation multiciplity factor of the air in the slow-cooling refrigerating chambers. Tekhnika Bulg 11 no.9:352 '62.

1. Nauchnoizsledovatelski tekhnologicheski institut za zhivotinski produkti, Sofiia.

KONDRATENKO, Iaroslav, inzh.

A method of determining gluing qualities of insulating materials in the insulation of refrigerators. Stroitelstvo 10 no.5:26-27 S-O'63.

KONDRATENKO, IAroslav, inzh.

Studies of the automatic operating conditions of cascade screens. Tekhnika Bulg 12 no.1:3-6 '63.

1. Nauchnoizsledovatelski tekhnologicheski institut za zhivotinski produkti.

KONDRATENKO, IAroslav, inzh.

Certain aerodynamic correlations and processes of heat transfer during the rapid cooling and freezing in tunnels. Tekhnika Bulg 13 no.7:16-18 '64

1. Scientific Research and Technological Institute of Animal Products, Sofia.

KONDRATENKO, I.M.

As the tractor rolls the grain grows. Mekh.sil'.hosp. 13 no.12:4-5 D '62. (MIRA 16:2)

1. Starshiy traktorist kolkhoza im. Zhdanova, Belokurakinskogo rayona, Luganskoy oblasti.
(Agricultural machinery)

KONDRATENKO, Igor' Vasil'yevich; SHTOMMAN, Yevgeniy Aleksandrovich; TIKHONOVA, N.V., red.; FREDERIY, S.P., tekhn. red.

[Training models in construction, sanitary engineering, and building machinery] Uchebnye modeli po stroitel'stvu, sanitarnoi tekhnike i stroitel'nym mashinam. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 164 p. (MIRA 14:8)
(Engineering—Study and teaching) (Engineering models)

REZNIK, P.; BEREZIN, P., prepodavatel'; KONDRATENKO, I., prepodavatel';
SHTOKMAN, Ye., prepodavatel'

Pedagogical training of a foreman. Prof.-tekh.obr. 19 no.1:17
Ja '62. (MIRA 15:1)

1. Zamestitel' direktora po uchebnoy chasti Khar'kovskogo
industrial'nogo tekhnikuma (for Reznik).
(Teachers, Training of)

CHERNYSHEV, A.P.; KONDRATENKO, I.V.; POLYAKOV, P.V.; SOLOV'YEVA, P.N.; ANIGIN, A.F.

Cableless circuit for the automation of belt and single-chain scraper conveyers in a coal mine. Prom.energ. 16 no.6:10-11 Je '61. (MIRA 15:1)

(Conveying machinery) (Automatic control)

KONDRATENKO, K.S.

Mechanized winning and preparation of local fertilizers. Mekh. sil'. khosp. 9 no.12:22-23 D '58. (MIRA 12:1)

1. Nachal'nik upravleniya udobreniy Ministerstva sel'skogo khozyaystva USSR.
(Fertilizers and manures)

L 17716-66 EWP(j)/EWT(m)/T RM

ACC NR: AP6003407 (A) SOURCE CODE: UR/0190/66/008/001/0014/0015

AUTHORS: Avilova, T. P.; Bykov, V. T.; Kondratenko, L. A. 46 B

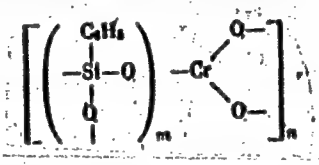
ORG: Far Eastern State University (Dal'nevostochnyy gosudarstvennyy universitet)

TITLE: Synthesis of polychromium phenylsiloxane 7,44,55

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 1, 1966, 14-15

TOPIC TAGS: polysiloxane, organometallic compound, chromium compound, polymer, organic synthetic process

ABSTRACT: Polychromium phenylsiloxane (I) was prepared in 76% yield in a manner analogous to the synthesis of polyferrophenylsiloxane [(K. A. Andrianov, T. N. Ganina, N. N. Sokolov. Vysokomolek. soyed., 4, 679, 1962), using the method of exchange decomposition of phenylsodiumoxysilane with chromium potassium sulfate in aqueous alkaline solution at 78C. The product obtained was a green solid, soluble in organic solvents with a ratio of Si:Cr = 5.8 to 7.1, which corresponds to a probable structure:



Card 1/2 UDC: 541.64+678.84

L 17716-66

ACC NR: AP6003407

where m = ratio of Si:Cr, n = number of Cr in the chain. Preliminary experiments indicate that thermal stability of I is close to that of other polymetalloorganic siloxanes. Orig. art. has: 2 tables and 1 structure.

SUB CODE: 07/ SUBM DATE: 03Feb65/ ORIG REF: 001

Card 2/2 nst

KONDRATENKO, L.F., LASKIN, A.A.

Efficient use of electric centralization devices in planning open pit coal mines. Ugol' 32 no.7:35-37 Jl '57. (MLRA 10:7)

1. Lengiproshakht.
(Strip mining) (Electricity in mining) (Remote control)

LIN SHU-TSZEN [Ling Shu-tseng], insh.; KONDRATENKO, L.F.

Questions on designing electric interlocking systems at open-pit mines in the Chinese People's Republic. Avtom.telem.i sviaz' 4 no.8:37-39 Ag '60. (MIRA 13:8)

1. Rukovoditel' gruppy instituta "Giproshakht" (for Kondratenko).
(China--Strip mining)
(China--Mine railroads--Signaling)

SHVERNIK, Aleksandr Mikhaylovich; SOKOLOV, Anatoliy Valentinovich; POLUBELOV, Aleksey Sergeyevich; KISELEV, Georgiy Ivanovich; BERNSHTEYN, Rafail Lazarevich; SLAVUTSKIY, Samuil Oskarovich; NEVEL'SHTEYN, Yuriy Grigor'yevich; KONDRATENKO, Leonid Fedorovich; LASKIN, Anatoliy Aronovich; LUR'YE, Zakhar Solomonovich; MAKAROV, Vladimir Aleksandrovich; NOVOZHILOV, M.G., retsenzent; BILLICHENKO, N.Ya., retsenzent; VARSHAVSKIY, A.M., retsenzent; TARTAKOVSKIY, B.N., retsenzent. Prinimali uchastiye: ANTONOV, V.A., inzh.; VERBLYUNSKIY, Yu.I., inzh.; ZEMSKOV, P.F., otv. red.

[Overall mechanization and automatic control in strip mines] Kompleksnaia mekhanizatsiia i avtomatizatsiia na kar'erakh. Moskva, Nedra, 1964. 582 p. (MIRA 18:4)

ZAYTSEV, A., polkovnik; KONDRATENKO, M., mayor; BELAVENTSEV, Ye. gvardii mayor; GERASIMOV, I., general-mayor zapasa

On methodological practices of military students; comments on the article published in no.4. Voen. vest. 38 no.1:45-49 Ja '59. (MIRA 12:7)

(Russia--Army--Noncommissioned officers)

GUREVICH, M.I.; GOLEV, D.A.; KONDRATOVICH, M.A.; KOZAK, V.A.

Methodology of blood flow measurement in intact vessels using thermal resistors. Fiziol. zhur. 49 no.9:1125-1128 S '63. (MIRA 17:12)

1. From the Laboratory of Circulatory Physiology, A.A. Bogomolets Institute of Physiology, Academy of Sciences of the Ukrainian S.S.R., Kiyev.

L 26481-66 EWT(1) IJP(c)

ACC NR: AP6013069 SOURCE CODE: UR/0048/66/030/004/0633/0636

AUTHOR: Sokolov, V.A.; Vol'kenshteyn, F.F.; Brik, O.G.; Kondratenko, M.B. 30 B

ORG: None

TITLE: Concerning the role of radical-recombination processes in candoluminescence /Report, Fourteenth Conference on Luminescence held in Riga 16-23 September 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4, 1966, 633-636

TOPIC TAGS: recombination luminescence, chemiluminescence, candoluminescence

ABSTRACT: Although candoluminescence - luminescence under the influence of a flame - has been questioned for many years, the authors assert that the existence of this phenomenon has definitely been proved. The mechanism of candoluminescence was hypothetically developed by one of the authors (F.F.Vol'kenshtein, Elektronnaya teoriya kataliza na poluprovodnikakh, Fizmatgiz, Moscow 1960) on the basis of the electronic theory of catalysis and chemisorption on semiconductors and has been discussed and described in other publications by F.F.Vol'kenshtein et al. According to this mechanism excitation occurs at the expense of the energy released incident to recombination of free atoms and radicals in the flame on the surface of the phosphor. In the present paper there are adduced the inferences based on the radical-recombination theory as regards the influence of extraneous gaseous impurities on the intensity of cando-

Card 1/2

L 26481-66

ACC NR: AP6013069

luminescence and there are described the results of attempts at experimental verification of the predictions. The inert gas employed in the main experiments was nitrogen and the phosphor was ZnS·CdS:Cu. A figure gives curves characterizing the variation of the luminescence intensity of the phosphor with the nitrogen concentration at different temperatures. Another figures shows analogous curves characterizing the influence of CO and O_2. Comparative experiments to evaluate the recombination coefficient were carried out with non-luminescing CuO. On the basis of general analysis of the data it is concluded that radical-recombination processes play a significant role in excitation of low-temperature luminescence (which, it is asserted, is true luminescence according to the Vavilov-Wiedemann criterion) but also in excitation of high-temperature candoluminescence, which is a special form of equilibrium emission that is not true luminescence. Orig. art. has: 2 formulas and 3 figures.

SUB CODE: 20/ SUBM DATE: 00/ ORIG REF: 007/ OTH REF: 001

Card 2/2

L 16638-65 SSD/AFWL
ACCESSION NR: AP4047664 S/0119/64/000/010/0028/0028

AUTHOR: Kondratenko, M. I. (Engineer); Kuz'menkov, L. N. (Engineer); Pavlyukevich, T. M. (Engineer)

TITLE: Instrument for measuring the density of liquids

SOURCE: Priborostroyeniye, no. 10, 1964, 28

TOPIC TAGS: densimeter

ABSTRACT: A new continuous-measuring densimeter for liquids (including corroding liquids) consists of a cylindrical chamber with a stainless-metal float in it. A ferromagnetic plunger fastened to the float travels in the magnetic field of a differential transformer which is connected to a secondary indicating instrument calibrated in density units. The liquid flows upward through the cylinder and lifts the float, depending on its density. A sketch is supplied. Technical data reported: scale range, 0.1 g/cm^3, can be placed anywhere

Card 1/2

L 16638-65
ACCESSION NR: AP4047664

between 1.0 and 1.8 g/cm^3; scale factor, 0.001 g/cm^3; error, $\pm$ 1.5% of full scale; allowable temperature, 0—100C; temperature error, 0.1% of full scale per 1C. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00

SUB CODE: IE NO REF SOV: 000 OTHER: 000

Card 2/2

KUZ'MENKOV, L.N.; KONDRATENKO, M.I.; PAVLYUKEVICH, T.M.

Automatic densitometer for fluids. Zav.lab. 31 no.3:382-383 '65. (MIRA 18:12)

1. Severo-Kavkazskiy filial konstruktorskogo byuro "TSvetmetavtomatika".

TUYEV, G.V.; KUZ'MENKOV, L.N.; NEDEL'KO, N.I.; KONDRATENKO, M.I.

Automatic control of pulp density with the help of the type RRP-605 radioisotope relay. TSvet.met. 38 no.10:12-15 O '65. (MIRA 18:12)

BARANOVSKIY, I.; KONDRATENKO, N.

New principle for television image projection (from "Journal of the Television Society" 9, no.4, 1959). Radio no.3:61 Mr '61. (MIRA 14:8)

(Television)

Kondratenko, N.G.

SUKHOPAROV, Aleksandr Aleksandrovich; USTINOV, Yuriy Timofeyevich; KONDRATENKO, N.G., inzh., retsenzent; PARFENT'YEV, G.A., inzh., retsenzent; MERKULOV, Ye.P., inzh., red.; VASIL'YEVA, V.P., red. izd-va; SPERANSKAYA, O.V., tekhn. red.

[Assembling industrial equipment] Montazh promyshlennogo oborudovaniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 316 p. (Machinery—Erecting work) (MIRA 11:7)

SURNACHEV, A.A., inzh.; KONDRATENKO, N.I., inzh.

Repair of building machinery. Mekh.stroi 15 no.7:25-26 Jl '58.
(MIRA 11:9)
(Building machinery--Maintenance and repair)

KONDRATENKO, N.N., aspirant (Rostov-na-Donu, 11 liniya, d.23, kv.4)

Experience in the use of tomography in diseases of the bones and joints. Vest. rent. i rad. 35 no. 2:35-39 Mr-Ap '60. (MIRA 14:2)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. A.I. Dombrovskiy) Rostovskogo-na-Donu meditsinskogo instituta (direktor - prof. P.P. Kovalenko).
(BONES--RADIOGRAPHY) (JOINTS--RADIOGRAPHY)

YAGUPOL'SKIY, L.M.; KONDRATENKO, N.V.

Aryl sulfonyltrifluoromethylsulfonylmethanes. Zhur.ob.khim. 33 no.3:920-928 Mr '63. (MIRA 16:3)

1. Institut organicheskoy khimii AN UkrSSR.
(Sulfone) (Methane)

YAGUPOL'SKIY, L.M.; TROITSKAYA, V.I.; GRUZ, B.Ye.; KONDRATENKO, N.V.

Cyanine dyes containing fluorine. Part 12: Cyanine dyes from 5-Trifluoromethylmercapto-2-methylbenzimidazole derivatives. Zhur. ob. khim. 35 no.9:1644-1650 S '65. (MIRA 18:10)

1. Institut organicheskoy khimii AN UkrSSR.

L 40307-65 EWT(1)/T/EED(b)-3 Pae-2 IJP(c)
ACCESSION NR: AP5008230 S/0286/65/000/005/0103/0104

AUTHOR: Yagupol'skiy, L. M.; Lifshits, E. B.; Kondratenko, N. V.; Timofeyeva, [illegible]

TITLE: A method for sensitizing silver halide photographic materials. Class 57,

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 103-104

TOPIC TAGS: photochemistry, photographic chemical, photography, sensitivity increase, silver compound

ABSTRACT: This Author Certificate presents a method for sensitizing silver halide photographic materials to the green, yellow, and orange bands of the spectrum. The method involves the introduction of sensitizers such as imidocarbo- [illegible] and nondiffusing components of pyrazolone derivatives into the materials [illegible] the latter. To impart a high uniformity of additional light [illegible] photographic materials, imidocarbo- and [illegible]merocyanine [illegible] sensitizers. The residues of these compounds contain trifluoromethyl- [illegible] fluorosulfonyl, or trifluoromethylsulfoxide groups.

Card 1/2

L 40307-65

ACCESSION NR: AP5008230

2

AUTHOR: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (All-Union Scientific Research Institute of Cinematography); Institut organicheskoy khimii, Institute of Organic Chemistry, AN UkrSSR)

DATE: 14Mar64 ENCL: 00 SUB CODE: GC, OC

NO REF SOV: 000 OTHER: 000

Card 2/2

KONDRATENKO, O.I.

Kernig's symptom and the history of its discovery. Nevropat. psikhiat., Moskva 20 no.2:25-26 Mar-Apr 1951. (CIML 20:9)

1. Of the Clinic for Nervous Diseases (Director--Prof. S.N. Davidenkov, Active Member of the Academy of Medical Sciences USSR), Leningrad State Order of Lenin (Director--Prof. G.A. Znamenskiy).

USSR/Medicine - Brucellosis Feb 52

"Clinical Aspects and Treatment of Afflictions of the Nerve System Having Brucellosis Etiology," O. I. Kondratenko, Clinic of Nervous Diseases, Order of Lenin Inst for the Advancement of Physicians imeni S. M. Kirov

"Zhur Nevropatol i Psikhiat imeni Korsakova" Vol LII, No 2, pp 58-64

Afflictions of the nervous system have been found in all phases of brucellosis, but more often in subacute than in chronic cases. In brucellosis the peripheral nervous system and particularly the

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USSR/Medicine - Brucellosis (Contd) Feb 52

lumbar-sacral roots of the spinal chord are affected. Afflictions of the nervous system are generally combined with a diseased condition of the joints, which frequently appears earlier. The peripheral and vegetative nervous system are most frequently affected. The Buerne allergy reaction is of great diagnostic value in brucellosis affecting the nervous system. Of value in the treatment of this type of the disease is vaccinotherapy combined with X-rays.

218T49

KONDRATENKO, O. I.

KONDRATENKO, O.I.

Clinical aspects and therapy of spinal hemangioma. Zh. nevropat. psikhiat., Moskva 52 no. 6:61-67 June 1952. (CLML 23:3)

1. Of the Clinic for Nervous Diseases (Head -- Prof. S. N. Davidenkov, Active Member of the Academy of Medical Sciences), Leningrad Order of Lenin Institute for the Advanced Training of Physicians imeni S. M. Kirov (Director -- Prof. G. A. Znamenskiy).

1. KONDRATENKO, O. I.

2. USSR (600)

4. Writers' Cramp

7. Therapy of writers' cramp by long interrupted sleep, Zhur. nevr. i psikh., 53, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

KONDRATENKO, O.I.

Prevention and therapy of complications following endolumbar penicillin injections in purulent meningitis. Zhur.nevr. i psikh.55 no.8:607-610 '55. (MLRA 8:10)

1. Institut usovershenstvovaniya vrachey imeni S.M.Kirova (nauchn.rukovod.prof. S.N.Davidenkov), Leningrad.
(MENINGITIS, therapy,
penicillin, endolumbar admin.prev. & ther. of compl.)
(PENICILLIN, therapeutic use,
meningitis, endolumbar admin.prev. & ther. of compl.)

KONDRATENKO, O.I.

Peripheral paralysis of the facial nerves in children. Zhur.nevr. i psikh. Supplement:27 '57. (MIRA 11:1)

1. Leningradskiy institut usovershenstvovaniya vrachey imeni S.M. Kirova (nauchnyy rukovoditel' - prof. S.N.Davidenkov)
(PARALYSIS, FACIAL)

KONDRATENKO, O.I.

Changes in the nervous system in Rh incompatibility [with summary in French]. Zhur.nevr. i psikh. 57 no.1:61-66 '57. (MLRA 10:3)

1. Kafedra pediatrii Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M.Kirova (nauchnyy rukovoditel' - prof. S.N.Davidenkov)

(ERYTHROBLASTOSIS, FETAL,
Rh lesions in)
(NERVOUS SYSTEM, dis.
lesions in fetal erythroblastosis)

KONDRATENKO, O.I.

Diagnosis of convulsive seizures in children [with summary in French]
Zhur. nevr. i psikh. 58 no.7:830-832 '58 (MIRA 11:7)

1. Pervaya kafedra detskikh bolezney (nauchnyy rukovoditel' - prof. S.N. Davidenkov) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M. Kirova.
(CONVULSIONS, in infant and child,
pneumoencephalography (Rus))
(VENTRICULOGRAPHY, in var. dis.,
convulsions in child, (Rus))

KONDRATENKO, O.I.; GOL'TSMAN, Ye.M.

Lipomas of the corpus callosum. Zhur. nevr. i psikh. 61 no.4:488-492 '61. (MIRA 14:7)

1. Detskoye otdeleniye kafedry nervnykh bolezney (zav. - prof. S.N. Davidenkov) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M.Kirova.

(BRAIN—TUMORS)

KONDRATENKO, O.I.

A genesis of the corpus callosum. Zhur. nevr. i psikh. 61 no.7:1012-1016 '61. (MIRA 15:6)

1. Detskoye otdeleniye (na baze bol'nitsy imeni Raukhfusa) kafedry nervnykh bolezney (zav. - prof. S.N. Davidenkov) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M. Kirova.

(BRAIN--ABNORMITIES AND DEFORMITIES)

KONDRATENKO, O.I.

Changes in the nervous system in pneumonia in children. Och.klin. nevr. no.1:204-209 '62. (MIRA 15:9)
(PNEUMONIA) (NERVOUS SYSTEM--DISEASES)

KONDRATENKO, O.I.

Birth paralyses and their treatment. Zhur.nevr.i psikh. 62 no.7: 1029-1033 '62. (MIRA 15:9)

1. Detskoye otdeleniye (na baze bol'nitsy imeni Raukhfusa) kafedry nervnykh bolezney (zav. - prof. S.N.Davidenkov [deceased]) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M. Kirova. (OBSTETRICAL PARALYSIS)

KONDRATENKO, O.I.

Errors in the early diagnosis of tuberculous meningitis in children. Pediatriia 4 no.7:17-20 Jl '63 (MIRA 16:12)

1. Iz detskogo otdeleniya (na baze Bol'nitsy imeni Raukhfusa) kafedry nervnykh bolezney (zav. - prof. S.N.Davidenkov [deceased] Leningradskogo instituta usovershenstvovaniya vrachey imeni Kirova.

KONDRATENKO, O.I.

Abscess of the pons varolii. Och. klin. nevr. no.2:198-203 '64
(MIRA 18:1)

BUZDAKOV, A.P.; KONDRATENKO, P.I.

Shortcomings in the manufacture of gas cylinders. Azerb.neft. khoz. 38 no.12;41-43 D'59. (MIRA 13:10)
(Cylinders)

FIRSOV, I.G. [Firsov, I.H.], dots.; KONDRATENKO, P.P., student; PANASENKO, T.T., student.

Characteristics of the growth, development, and productivity of healthy hemp in comparison with the hemp infested with hemp flea beetles during its vegetation. Nauk. zap. ChDPI 11:257-265 '57. (MIRA 11:5)
(Hemp) (Agricultural pests)

ACCESSION NR: AP4031168 S/0056/64/046/004/1438/1455

AUTHOR: Kondratenko, P. S.

TITLE: Theory of a ferromagnetic Fermi liquid

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 4, 1964, 1438-1455

TOPIC TAGS: Fermi liquid, magnetic moment, spin wave theory, zero sound, ferrodielectric, low temperature research

ABSTRACT: An attempt is made to ascertain whether a connection exists between the zero-sound spin waves that can exist in a nonferromagnetic Fermi liquid, and the spin waves discovered earlier in ferromagnetic dielectrics. This is done by investigation of the low temperature properties of the ferromagnetic Fermi liquid by quantum-theory methods. The interaction between the particles and the spin waves is studied and an expression is found for the vertex corresponding to the emission of particles with zero momentum by the spin waves. Account is taken of the magnetic dipole interaction of the spins. This interaction leads to exactly the same change in the spectrum of the spin waves as was obtained earlier by Holstein and Primakoff for the case of a ferromagnetic dielectric (Phys. Rev. v. 58, 1098, 1940). It is also shown that contribution proportional to T^2 to the temperature dependence of the

Card 1/3

ACCESSION NR: AP4031168

magnetic moment at low temperatures is made not only by the spin waves but also by the Fermi excitations of the system. It is shown that the contributions to the specific heat and the magnetic moment from the spin waves and from the Fermi excitations in lowest order in the temperature are independent and can therefore be computed exactly. A condition for the appearance of ferromagnetism is found in the form of a certain relation for the two-particle vertex part. Relations are obtained for the effective masses of the excitation as well as an expression for the longitudinal static magnetic susceptibility at zero temperature. It is found that transverse spin oscillations of the zero-sound type do not occur in a ferromagnetic Fermi liquid, because there are two different Fermi surfaces when the average macroscopic magnetic moment differs from zero, and these correspond to two spin directions. Since the differences of the limiting Fermi momenta of these surfaces does not vanish, the transitions of the particles from one to the other is impossible without energy and momentum change. This also explains the physical reason for the different nature of the spin waves in a ferromagnetic Fermi liquid. It is also shown, without using any specific model, that the spin waves in a ferromagnetic Fermi liquid have a quadratic dispersion law. "The author is deeply grateful to I. Ye. Dzyaloshinskiy for suggesting the topic, for advice, and for continuous interest."
Orig. art. has: 11 figures and 65 formulas.

Card 2/3

L 14831-65 EWT(1)/EPA(s)-2 Pt-10 IJP(c)/AFWL/ASD(a)-5/SSD/AS(mp)-2/ESD(gs)/
ESD(t) 39
ACCESSION NR: AP4047921 S/0056/64/047/004/1536/1543

AUTHOR: Kondratenko, P. S.

TITLE: Contribution to the theory of ferromagnetism in metals 21 B

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 4, 1964, 1536-1543

TOPIC TAGS: ferromagnetism, Fermi liquid, spin wave, fermion, metal

ABSTRACT: The results of an earlier paper (ZhETF v. 46, 1438, 1964) in which the theory of an isotropic ferromagnetic Fermi liquid was developed, are extended here to the case of a ferromagnetic metal. The interaction between Fermi excitations and spin waves is examined and their contribution to the temperature dependence of the thermodynamic quantities are derived. It is assumed that the switching on of the interaction between fermions does not alter the classification of the energy levels of the system. For electrons in the crys-

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L 14831-65
ACCESSION NR: AP4047921

2

tal this assumption reduces to the hypothesis that the Fermi excitations of the system form energy bands which are not filled in the case of a metal. The conditions under which ferromagnetism is produced in a metal is also determined. As in the earlier analysis, it is shown that the spin waves cannot change the Fermi spectrum in such a way as to render the results invalid. "In conclusion the author is deeply grateful to I. Ye. Dzyaloshinskiy for numerous hints and for interest in the work." Orig. art. has: 20 formulas.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR (Institute of Physics Problems, Academy of Sciences SSSR)

SUBMITTED: 23Apr64 ENCL: 00

SUB CODE: EM, SS NR REF SOV: 005 OTHER: 001

Card 2/2

KONDRATENKO, P.S., kand.fiz.-matem.nauk

Study of condensed systems at low temperatures; all-Union conference in Kazan. Vest. AN SSSR 35 no.10:122-125 O '65.

(MIRA 18:10)

L 24399-66 EWT(l)/EWT(m)/EWP(w)/T/EWP(t) JD

ACC NR: AP6010999 SOURCE CODE: UR/0056/66/050/003/0769/0782

AUTHOR: Kondratenko, P. S.

ORG: Institute of Physics Problems, Academy of Sciences SSSR (Institut fizicheskikh problem Akademii nauk SSSR)

TITLE: On singularities of the spectrum of spin waves in ferromagnetic and antiferromagnetic metals

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 3, 1966, 769-782

TOPIC TAGS: spin wave spectrum, ferromagnetic material, antiferromagnetic material, Fermi level, crystal lattice structure, magnetic moment, conduction electron

ABSTRACT: This is a continuation of an earlier work by the author (ZhETF v. 47, 1536, 1964), where it was shown that in addition to Fermi excitations, ferromagnetic metals are frequently subject to spin waves which have a quadratic dispersion law. The present article is devoted to an analysis of the interaction between the spin waves and the Fermi excitations in a ferromagnetic metal; this interaction is determined by the characteristics of the Fermi spectrum. It is shown that the spectrum obtained in the earlier investigation remains in force so long as the momentum of the fundamental wave is small in comparison with the separation of the Fermi surfaces of the conduction electrons. The author considers also an antiferromagnetic metal, whose lattice ions form two magnetic sublattices which are shifted by a half-cycle relative to each other, and whose magnetic moments cancel each other. It is shown

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L 24399-66

ACC NR: AP6010999

that if such a metal is invariant against space inversion, the Fermi surfaces of the conduction electrons coincide for opposite signs of the spin polarization. This makes propagation of spin excitations of the zero-sound type possible. The interaction between the oscillations of the magnetic sublattices with the conduction electrons causes the spectrum of the magnetic excitations of the metallic antiferromagnet to differ greatly from the spectrum of the spin waves in an antiferromagnetic dielectric. Two new branches of oscillations are made possible by the interaction between the spin waves corresponding to the vibrations of the magnetic moment of the sublattices and the zero sound. The spectrum of the two branches can be expressed in terms of two constants and two functions that have a simple physical meaning. The author thanks I. Ye. Dzyaloshinskiy for valuable hints and continuous interest. Orig. art. has: 3 figures and 46 formulas.

SUB CODE: 20/ SUBM DATE: 130ct65/ ORIG REF: 007/ OTH REF: 002

Card 2/2 UDC

KONDRATENKO, P.T.

Production of popular medical agents in China. Med.prom. 11 no.4: 59-61 Ap '57. (MLRA 10:6)
(CHINA--PHARMACY)

KONDRATENKO, P.T.

Study of medicinal plants in the Chinese People's Republic. Med. prom. 11 no.12:56-59 D '57. (MIRA 11:2)
(CHINA--BOTANY, MEDICAL)

Country : USSR M
Category: Cultivated Plants. Medicinal. Essential Oil-Bearing. Toxins.

Abs Jour: RZhBiol., No 22, 1958, No 100487

Author : Kondratenko, P.T.
Inst : -
Title : Study of Medicinal Plants in the Chinese People's Republic.

Orig Pub: Med. prom-st' SSSR, 1957, No 12, 60-62

Abstract: The study of medicinal plants was started in the CPR in recent years. STudied are wild growing medicinal plants used in folk medicine; the collection of their seeds and other planting material is being carried cut for the foundation of nurse-

Card : 1/3

Country : USSR M
Category: Cultivated Plants. Medicinal. Essential Oil-Bearing. Toxins.

Abs Jour: RZhBiol., No 22, 1958, No 100487

ries in which the study of the agrotechny will be conducted, herbariums of local flora are being created. Simultaneously, a chemical and pharmacological evaluation of the medicinal plants is being carried out, and technology of the processing of raw materials and preparation of medicinal preparations is being developed. Research work on new medicinal preparations for the treatment of the most widespread parasitic diseases in China is being conducted. Effective remedies have been found for the treatment of dysentery, chronic colitis and gastritis, and certain other diseases. Coor-

Card : 2/3

KONDRATENKO, P.T.

Production and procurement of plant material for durgs. Med. prom. 12 no.9:3-7 S '58 (MIRA 11:10)
(BOTANY, MEDICAL)

KONDRATENKO, P.T.

Procurement of cultivated and wild medicinal plants. Trudy Bot.inst.Ser.6 no.7:280-284 '59. (MIRA 13:4)

1. Gosudarstvennyy trest po vyrashchivaniyu i zagotovke lekarstvenno-rastitel'nogo syr'ya (Lekrastrest), Moskva.
(BOTANY, MEDICAL)

KONDRATENKO, P.T.

Some results achieved and problems in the investigation of medicinal plants. Bot.zhur. 47 no.4:519-530 Ap '62.
(MIRA 15:8)

1. Vsesoyuznyy institut lekarstvennykh i aromaticheskikh rasteniy, Moskva.
(Botany, Medical)

KONDRATENKO, P.T.; SKLYAREVSKIY, L.Ya.; KHOTIN, A.A.

Problems of biological science in studying and using medicinal plants. Apt. delo 12 no.6:3-8 N-D '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy.

KONDRATENKO, P.T.; GUBANOV, I.A.

State of and prospects for research work on medicinal plants in the U.S.S.R. Rast. res. 1 no.1:19-30 '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rastoniy, Moskva.

GUBANOV, I.A.; KONDRATENKO, P.T.; SHRETER, A.I.

List of preparations proposed by the staff members of the All-Union Institute of Medicinal and Aromatic Herbs and permitted for release and use in medical practice by the Pharmacological Committee of the Ministry of Health for the period 1948-1964. Rast. res. 1 no.1:164-171 '65. (MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy, Moskva.

KONDRATENKO, P.T.; KUR, S.D.; ROZHKO, F.M.; STOYANOV, B.G., red.

[Procurement, growing and processing of medicinal plants] Zagotovka, vyrashchivanie i obrabotka lekarstvennykh rastenii. Moskva, Meditsina, 1965. 345 p. (MIRA 18:3)

REZNIKOVA, S.A.; KORNEVA, Ye.I.; KONDRATENKO, P.T.

Overcoming noncrossability in remote hybridization of nightshade. Genetika no.5:142-144 N '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy, Moskovskaya oblast'. Submitted May 3, 1965.

KONDRATENKO, P.S.

Theory of ferromagnetism in metals. Zhur. eksp. i teor. fiz. 47 no.4:1536-1543 O '64. (MIRA 18:1)

1. Institut fizicheskikh problem AN SSSR.

L 8420-66 EWT(d)/EWT(m)/EWP(w)/EPF(c)/EWP(v)/EWP(j)/T/ EWP(t)/EWP(k)/
EWP(b)/EWA(c)/ETC(m) JD/WW/RM/EM/RM

ACC NR: AP5020648 SOURCE CODE: UR/0147/65/000/003/0144/0150

AUTHOR: Kondratenko, R. M. 44,55

ORG: None

TITLE: The bonding strength of the casing with the filler in sandwich structures

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 3, 1965, 144-150

TOPIC TAGS: aerospace structure, sandwich structure, bonding material, stress analysis, heat stress, high temperature strength

ABSTRACT: The strength characteristics of sandwich structures depend to a considerable degree on the strength of bonding between the two external layers and the filler. The present paper attempts to determine the temperature which causes the critical stresses in the external layers, connected to the filler. The theoretical dependence of the critical temperature (T_{crit}) on the radius of the heated region of a steel casing is shown (Fig. 1). The experimental investigations agree with the theoretical data to a sufficient degree. It is noted that the deter-

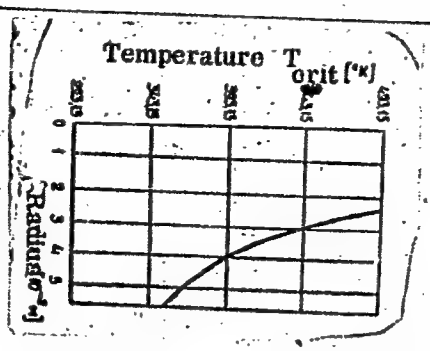
Fig. 1. Dependence of the critical temperature on the radius of the heated circle.

UDC: 539.4+629.13.012.1

Card 1/2

L 6430-66

ACC NR: AP5020648



mination of the T_{crit} stresses does not fully solve the problem of the temperature at which the casing breaks away from the filler. The problem of the behavior of the casing after its loss of stability is interesting for the researcher, but it must be solved in a nonlinear form. Experiments show that this temperature is close to T_{crit}, hence the knowledge of T_{crit} makes it possible to determine the temperature at which the break begins. Orig. art. has: 4 figures and 20 formulas.

SUB CODE: AS, TD / SUBM DATE: 26Jun64 / ORIG REF: 002 / OTH REF: 001

nw

Card 2/2

PEYVE, Ya.V.; PETERBURGSKIY, A.V., doktor sel'khoz. nauk, prof.; GAR, K.A., kand. sel'khoz. nauk; GOLYSHIN, N.M., kand. biol. nauk; KOROTKIKH, G.I., kand. sel'khoz. nauk; CHESALIN, G.A., kand.sel'khoz.nauk; RAKITIN, Yu.V., doktor biol. nauk; ZEZYULINSKIY, V.M., kand. sel'khoz.nauk; DEVYATKIN, A.I., kand. sel'khoz. nauk; VENEDIKTOV, A.M., kand.sel'khoz. nauk; TARANOV, M.G., kand. biol. nauk; BORISOVA, L.G.; BEREZNIKOV, V.V., kand. tekhn.nauk; KONDRATENKO, R.V., st. nauchn.sotr.; BORISOV, F.B., st. nauchn.sotr.

[Chemistry in agriculture] Khimiia v sel'skom khoziaistve. Moskva, Kolos, 1964. 381 p. (MIRA 17:9)

1. Chlen-korrespondent AN SSSR (for Peyve). 2. Nachal'nik laboratorii Nauchno-issledovatel'skogo instituta plastmass (for Borisova). 3. Nauchno-issledovatel'skiy institut plastmass (for Kondratenko, Borisov).

BORISOVA, L.G.; KONDRATENKO, R.V.

Resolutions of the December (1963) and February (1964) Plenums of the Central Committee of the CPSU as a program of the "big chemistry." Plast.massy no.4:1-2 '64. (MIRA 17:4)

L 05718-67

ACC NR: AN6009142 (A,N) SOURCE CODE: UR/9008/65/000/282/0002/0002

2

AUTHOR: Kondratenko, S. (Major General)

ORG: none

TITLE: Combat training of ground troops under simulated war conditions

SOURCE: Krasnaya zvezda, no. 282, 01 Dec 65, p. 2, col. 1-4

TOPIC TAGS: military training, ground force training, FIGHTER COMBAT TRAINING

ABSTRACT: The author discussed problems of combat training of units and subunits of the Soviet ground forces under conditions of modern warfare and analyzes tactics of training exercises conducted in the field under simulated war conditions. Shortcomings in field-training exercises are examined. [NT]

SUB CODE: 15/ SUBM DATE: none/

Card 1/1 pla

Kondratenko, T.I.

USSR/Soil Science. Mineral Fertilizers. I-5

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957, 22517

Author : Kondratenko, A.F., Kondratenko, T.I.
Inst :
Title : Periods for Application of Nitrogenous Fertilizers for Hemp.

Orig Pub: Sots. s. kh. Kirgizii, 1956, No 4, 14-21

Abstract: On the northern chernozems of the Chui experimental station of long fiber crops, experiments were conducted for 3 years to study proper timing for applying nitrogenous fertilizers in doses of 120 kg/hectare for hemp cultivation. The hemp was planted over an alfalfa layer. It was shown that the south chui hemp assimilates from the soil up to 250 kg/hectare N, 100 kg/hectare P_2O_5, 300 kg/hectare K_2O, i.e. 2½ - 4 times more than the central Russian hemp. In the experiments, a relationship between the thickness of the total hemp sprouts and the concentration of soil nutrient substances was indicated:

Card : 1/2 -33-

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957, 22517

at high concentrations of nutrient substances created by applying increased doses of N, the thickness of sprouts is diminished by 10-15%. The period of N administration exerts a large influence on the hemp yield. The best results are obtained when 60 kg/hectare of N is administered during basic treatment of soil and 60 kg/hectare N in the first feeding.

Card : 2/2 -34-

USSR / Cultivated Plants. Plants for Technical Use. M

21(8) 5(0)

AUTHOR: Lapitskiy, A.V. SOV/55-59-3-29/32

TITLE: The First All-Union Conference of Universities and Colleges on Radiochemistry

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, Nr 3, pp 221-[illegible] (USSR)

ABSTRACT: This conference was convened by the initiative of the laboratoriya radiokhimii khimicheskogo fakul'teta MGU (Laboratory of Radiochemistry of the Department of Chemistry of Moscow State University) and was held in Moscow from April 20 to April 25, 1959. It was attended by professors, teachers, and scientific collaborators of 32 universities and colleges of the Soviet Union. In his opening address, An.N.Nesmeyanov, Doctor of Chemical Sciences, stressed the importance of radiochemistry. 30 lectures were delivered by members of Moscow State University: Laboratoriya yadernoy fiziki (Laboratory of Nuclear Physics): S.P.Rudenko, A.I.Sevast'yanov: Production of Beryllium-7 by the Reaction (T,2n); I.Stary, N.P.Rudenko: Production of Radioactive Isotopes by Extraction as β-Diketonates. Laboratoriya radiokhimii (Laboratory of Radiochemistry): An.N. Nesmeyanov, B.M. Korolev, L.A.Sazonov: Separation of Radioactive Isotopes in the Irradiation of Colloids; An.N.Nesmeyanov, Ye.A.Borisov, E.S.Filatov, V.Kondratenko, Chzhan Tsze-syan, K.Panek, B.Shukla: Secondary Reactions of the Recoil Atoms ^{80}Br and ^{82}Br in Methyl Bromides; B.G.Dzantiyev, I.M.Barkalov, V.V.Khrapov: Reactions of "Hot" Sulfur- and Nitrogen Atoms With Hydrocarbons; B.Z.Iofa, L.V.Bobrov, A.N.Ratov: The State of Radioactive Isotopes in Extremely Dilute Solutions; M.S. Merkulova, I.V.Mel'khov: General Theory of the Coprecipitation of Radioactive Elements With Non-isomorphous Crystalline Precipitates; A.V.Lapitskiy, I.A.Savich, Chzhuan Ya-uy: Coprecipitation of Protactinium With Complex Compounds of Ti, Nb, and Ta; V.M.Fedoseyev, V.V.Ivanenkov, V.N.Bochkarev: Application of Radioactive Paper Chromatography"; K.B. Zaborenko, A.M.Babeshkin, M.S.Aul'chenko: Accumulation and Separation of Recoil Atoms on the Basis of the Example Ra^{224} and Ra^{228}; K.B.Zaborenko, A.M.Babeshkin, V.A.Berevskaya, L.L.Mel'khov: Application of the Emanation Method for the

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Investigation of the Transformation of Solids; V.I.Spitsyn, K.B.Zaborenko, A.M.Babeshkin, N.A.Radicheva: Transformation of Heteropoly-compounds; K.B.Zaborenko, A.M.Babeshkin, I.V. Kovalenko: Geochemistry of Radium; K.B.Zaborenko, V.I. Korobkov: Microanalytical Determination of Uranium by Means of Nuclear Emulsions. An.N.Nesmeyanov, De Vyk-Man: Partial Vapor Pressure of Co in Alloys With Ni; Yu.A.Priselkov, Yu.A. Sapozhnikov, A.V.Tseplyayeva, V.V.Karelin: The Behavior of a Molecular Metal Beam in the High-frequency Field; I.V.Golubtsov, A.V.Lapitskiy, V.K.Shiryayev: Vapor Pressure of Niobium Dioxide; I.V.Golubtsov, Yu.A.Likhachev, Ye.K.Rakov: Various Constructions of the Scintillation Attachment to the Apparatus of the Type B. Kafedra analiticheskoy khimii (Chair of Analytical Chemistry): I.P.Alimarin, N.P.Borzenkova: $Niobium^{95}$ as a Radioactive Tracer; I.P.Alimarin, T.A.Belyavskaya, Wu Bin-ven': Sorption of Zr by Ion Exchangers; A.I.Busev, V.M. Byr'ko: The Use of Complex Pyrazolinedithiocarbamates in Radiometry. Kafedra neorganicheskoy khimii (Chair of Inorganic Chemistry): Ye.A. Ippolitova, Yu.P.Simanov, L.M.Kovba, G.P. Polunina, I.A. Sereznikova: Uranates of Some Bivalent Metals; V.G.Kuyazina, O.G. Nezkova: Uranium Compounds With Acids of Low-valence P; V.I. Spitsyn: The Influence of the Radioactive Radiation of Solids on Their Physico-chemical Properties; I.Ye.Mikhaylenko, V.I.Spitsyn: Isotope Exchange in the System $K_2SO_4 - SO_3$ at High Temperature. Kafedra khimicheskoy kinetiki

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(Chair of Chemical Kinetics): I.V.Berezin, V.L.Antonovskiy, M.P.Kazanskaya: Application of Tritium for the Purpose of Determining the Velocity Constants of the Separation of Organohydrogen Compounds. An.N.Nesmeyanov delivered a detailed lecture on the Methodology of Radiochemical Instruction at the chemical departments of universities.

Card 3/4

KONDRATENKO, V.A.

Progressive technology of a classification yard. Zhel. dor. transp. 47 no.8:12-15 Ag '65. (MIRA 18:9)

1. Glavnyy inzh. stantsii Khabarovsk II.

ACC NR: AP7000989 (A,N) SOURCE CODE: UR/0439/65/044/009/1309/1316

AUTHOR: Kondratenko, V. F.

ORG: Rostov-on-Don Scientific Research Institute for Epidemiology, Microbiology and Hygiene (Rostovskiy-na-Donu nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i gigiyeny)

TITLE: Ecological factors of the hebdomadis serotype leptospirosis focus in the Don River bottomlands

SOURCE: Zoologicheskiy zhurnal, v. 44, no. 9, 1965, 1309-1316

TOPIC TAGS: biologic ecology, [redacted], leptospirosis, animal disease, epidemiology, bacterial ecology

ABSTRACT: Ecological factors affecting a leptospirosis focus in the Don bottomlands were investigated between 1959 and 1962. A 400-km^2 area which included differing ecological conditions was divided into five ecological regions for study. In four of these regions, voles possessing hebdomadis serotype leptospirosis were found. These voles were the principal reservoir of the disease, followed by field mice. House mice were important as epizootics only briefly and in only one ecological region. Leptospirosis foci are located in lowland swamps

Card 1/2 UDC: 616.986.724:591.5(282.247.33)

ACC NR: AP7000989

or in areas adjoining swamps. When lowlands are flooded rodent carriers congregate on higher ground which constitutes a brief secondary focus, lasting only during the period of flooding. Orig. art. has: 5 tables. [WA-50; CBE No. 14] [LP]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 12

Card 2/2

KONDRATENKO, V.F.

Ecological factors of the focalization of leptospirosis of the Hebdomandis serological group in the floodplain of the Don River. Zool. zhur. 44 no.9:1309-1316 '65. (MIRA 18:10)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy institut epidemiologii, mikrobiologii i gigiyeny.

BLAGOVESHCHENSKAYA, N.M.; KONDRATENKO, V.F.; ZARUBINA, L.V.

Natural nidus of Leptospira pomona in the Kabardino-Balkar A.S.S.R.
Zool. zhur. 42 no.8:1147-1154 '63. (MIRA 16:9)

1. Rostov-on-Don Research Institute of Epidemiology, Microbiology and Hygiene.

(Kabardino-Balkar A.S.S.R.—Leptospirosis)

BLAGOVESHCHENSKAYA, N.M.; KONDRATENKO, V.F.; ZARUBINA, L.V.

Natural focus of leptospirosis of the serological group hebdomadis in Rostov Province. Zool. zhur. 42 no.10:1561-1566 '63. (MIRA 16:12)

1. Rostov-on-Don Research Institute of Epidemiology, Microbiology and Hygiene.